

## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <a href="http://about.jstor.org/participate-jstor/individuals/early-journal-content">http://about.jstor.org/participate-jstor/individuals/early-journal-content</a>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

## INDEX TO VOLUME I

New names, and the final members of new combinations, are in bold face type.

```
Aties, 190, 215, 265; balsamea, 201;
                                        Anthracnose, The perfect stage of the
  pectinata, 266
                                          cotton, 115
Abronia umbellata, 230
                                        Apios tuberosa, 232
Abutilon incanum, 95
                                        Apocynum cannabinum, 59, 231
Acacia, 194
                                        Aquilegia, 249, 250; caerulea, 250;
Acarospora, 90, 93, 94, 96, 97, 98;
                                          canadensis, 249, 256; elegantula,
  Carnegiei, 88, 94; cervina cinereo-
                                          250; flavescens, 250; formosa, 250;
  alba, 88; cineracea, 88, 92; xan-
                                          truncata, 250
  thophana, 88, 92, 94, 96; xantho-
                                        Arabis Holboellii, 229
  phana dealbata, 88, 92
                                        Armillaria mellea, 2
Acer, 179, 185, 188, 201, 204
                                        Aronia, 227, 241, 242; nigra, 239, 241,
Actaea alba, 231
                                          256; rotundifolia, 242
Additions to the mycological her-
                                        Artemisia, 243; dracunculoides, 230,
  barium, Noteworthy, 218, 274
                                          243, 256
Adelia ligustrina, 236; segregata, 236
                                        Arthonia, 29
Aecidiaceae, 209
                                        Arthur, J. C., Cultures of Uredineae
Aecidium, 241, 252; Blasdaleanum,
                                          in 1908, 225
  252, 253; cornutum, 241; hous-
                                        Arundinaria, 202
  toniatum, 237; macrosporum, 244;
                                        Ascobolus, 105, 110; immersus, 110
  Napeae, 251
Agaricus bulbosus, 149; campestris,
                                        Ascomycetes, 268
  37, 260
                                        Ascomycetes
                                                      and
                                                             lower
                                                                     fungi-
Agoseris, 245; glauca, 245, 256
                                          Fascicle II, 121; III, 268
Agropyron, 249; biflorum, 249, 251,
                                        Ascophanus, 105, 109; carneus, 109,
  256; caninum, 251
                                          cinereus, 109, testaceus, 109
Agrostis, 248
                                        Aster, 232; arenoides, 232; Drum-
Ailanthus glandulosa, 168
                                          mondii, 230, 232, 233; multiflorus,
Albugo bliti, 121; Portulacae, 121
                                          232; paniculatus, 229, 230, 232, 233
Allantonectria, 177, 181; Yuccae, 181
                                        Astragalus, 270, 271; carolinianus,
Alnus, 190, 266
                                          270
Alphitomorpha Alni, 269
                                        Atheropogon curtipendulus, 231
                                        Atractium flammeum, 179
Althaea rosea, 232
                                        Atriplex hastata, 235, 255
Amanita, 85; phalloides, 258
Amanitopsis vaginata, 83, 85
                                        Auerswaldia, 161; arengae,
                                                       162;
Amaranthus retroflexus,
                                          chamaeropis,
                                                             densa,
                                                                        163;
  nosus, 121
                                          Guilielmae, 163; lagenaria,
                                                                         74;
Ambrosia trifida, 21, 45, 124, 229, 230,
                                          palmicola, 162; rimosa, 162
  231, 243
                                        Bacterial disease of the peach, A, 23
Amelanchier, 113, 208, 252; Botry-
                                        Bacterium Pruni, 26, 27
  apium
         242;
                 canadensis,
  erecta, 239, 241, 255; intermedia,
                                        Bactrospora, 106, 112; dryina, 112
                                        Baptisia tinctoria, 251
  240, 256; vulgaris, 242
America, A new boletus from trop-
                                        Basidiophora Kellermanii, 121
                                        Benzoin Benzoin, 125
  ical, 218
Amorpha, 185; fruticosa, 230
                                        Berberis, 185, 232, 247; Aquifolium,
Ampelopsis, 185
                                          247; ripens, 247; vulgaris, 231, 247
                                        Betula, 166, 168, 187, 191, 266
Amphiloma, 30; elegans, 30
Andromeda, 191
                                        Biatora, 90, 94; myriocarpoides, 90
Andropogon glomeratus, 232; sco-
                                        Bidens frondosa, 124
                                        Bjerkandera adusta, 164; fumosa, 164
  parius, 231
Anemone caroliniana, 271; virginiana,
                                        Blytridium fenestratum, 106, 113, 121
                                        Boletaceae, 4, 275
```

Boletaceae from Kentucky, 275; of North America, The —I, 4; II, 140 Boletellus, 4, 9; Ananas, 10 Boletinellus, 4, 7; castanellus, 8; merulioides, 6, 7, 275; paluster, 8

Boletinus, 4, 5; appendiculatus, 5, 6; **Berkeleyi**, 5, 6, 275; borealis, 7; castanellus, 8; cavipes, 5; decipiens, 6; grisellus, 5, 6; paluster, 8; pictus, 5, 6; porosus, 7; spectabilis, 5, 6, 7

Boletopsis, 5

Boletus, 4, 10; acidus, 11; affinis, 149; albellus, 145; alboater, 16; albus, 13; alutaceus, 154; alveolatus, 17, 18; amabilis, 10, 11; americanus, 13; ampliporus, 5; Ananas, 10; annulatus, 11; Atkinsoni, 149; aurantiacus, 140, 146; auriflammeus, 147; auripes 149; auriporus, 147; badiceps, 155; Bakeri, 156; Betula, 144; bicolor, 152; bovinus unicolor, 11; brevipes, 13; caespitosus, 147; castaneus, 14; cavipes, 5; chamaeleontinus, 17; chromapes, 145; chrysenteron, 155; circinans, 12; Clintonianus, 10, 12; coccineus, 9; collinitus, 13; communis, 153, 155; conicus, 146; coniferus, 9; constrictus, 14; crassipes, 149, 150, 153; cubensis, 156, 219; Curtisii, 150; cyanescens, 14; decipiens, 6; decorus, 149; dichrous, 152; dictyocephalus, 156; eccentricus, 156; edulis, 18, 149; elbensis, 11; esculentus, 149; eximius, 148; felleus, 15; ferruginatus, 150; ferrugineus, 15; firmus, 17; fistulosus, 150; flavidus, 13; flavipes, 153; flaviporus, 147; flavus, 10; flexuosipes, 145; fraternus, 155; Frostii, 17; frustulosus, 145; fulvus, 148, 156; fumosipes, 154; glabellus, 152; gracilis, 16; granulatus, 12; griseus, 145; guadalupensis, 156, 219; hemichrysus, 148; hirtellus, 14; ignoratus, 156; illudens, 154; indecisus, 15; inflexus, 150; innixus, 147; isabellinus, 10; lacteus, 14; lactifluus, 12; lateralis, 7; leprosus, 149, 150; leptocephalus, 156; lignatilis, 157, 219; limatulus, 149; luridus, 16, 17; luteus, 10, 11; magnisporus, 17; mineato-olivaceus, 152; modestus, 15; Morgani, 144; Morrisii, 157; multipunctus, 153; mutabilis, 157; nebulosus, 157; nigrellus, 16; niveus, 146; nobilis, 149; ornatipes, 151; pallidus, 152; paluster, 8; parasiticus, 148; parvus, 18; Peckii, 151; pictus, 6; pi-

peratus, 150; Pocono, 157; punctipes, 13; radicosus, 157; Ravenelii, 9; retipes, 151; rimosellus, 157; robustus, 148, 157, 219; roseotinctus, 151; Roxanae, 153; rubeolaris, 17; rubeus, 152; rubinellus, 157; rubropunctus, 150; rugosiceps, 153; Russellii, 144; salmonicolor, 11; Satanas, 17; scaber, 3, 146; scabripes, 153; sensibilis, 152; separans, 149; serotinus, 12; Sistotrema, 150; sordidus, 155; speciosus, 151; sphaerosporus, 10, 11; Spraguei, 7, 17; squammulosus, 152; squarrosus, 9; strobilaceus, 8; strobiliformis, 9; stygius, 9; subaureus, 13; subglabripes, 153; subluteus, 11; subpunctipes, 158; subsanguineus, 158; subtomentosus, 5, 153; subvelutipes, 17; Sullivantii, 17; tabacinus, 151; tenuiculus, 158; tomentipes, 154; tuberosus, 17; umbrosus, 155; Underwoodii, 17; unicolor, 158; Vanderbiltianus, 146; variipes, 149; vermiculosus, 17; versipellis, 146; viridarius, 12

Boletus from tropical America, A new, 218

Boltonia asteroides, 230

Botryosphaeria pulicaris, 196; Quercuum, 268

Botrytis parasitica, 270; pygmaea, 271; viticola, 271

Bouteloua racemosa, 231

Brassica, 63 Bromus, 248; Porteri, 248, 249, 256; Pumpellianus, 248, 249; purgans, 236, 255; Richardsoni, 249

230, 255, Richardsoni, 249
Buellia, 94; concinna, 88; lepidostra, 88, 92; myriocarpa, 90; sp., 88
Bull pine seedlings, A species of Discosia on living, 215

Cacalia reniformis, 229, 230, 232 Callirhoe, 251; involucrata, 229, 232, 252, 256

Callistephus hortensis, 232

Calonectria, 42, 44, 67, 69; Atkinsonii, 201; balsamea, 200; canadensis, 199; cerea, 69; chlorinella, 201; Cucurbitula, 200; Curtisii, 69; Daldiniana, 67; Dearnessii, 68; diminuta, 67, 68; erubescens, 67, 69; guarapiensis, 68, 69; melioloides, 67, 68; muscivora, 103

Calycanthus, 185 Capparidaceae, 235 Cardamine bulbosa, 235

Carex, 244; comosa, 228, 243, 245, 256; gravida, 230; lurida, 233, 255; pennsylvanica, 229; pratensis, 245, 246, 256; sp., 230; sparganioides,

233, 255; stenophylla, 243; stipitata, Clematis, 248; virginiana, 236, 255 233, 254; vulpinoidea, 229 Clethra, 191 Clitocybe multiceps, 3 Carpinus, 191 Coker, W. C., Leptolegnia from North Carya, 178, 185, 191, 205 Carolina, 262 Castanea dentata, 122 Collema, 87, 100 Caulophyllum thalictroides, 231 Colletotrichum, 115; gossypii, 115, Ceanothus americanus, 251 Celastrus, 185 Collybia velutipes, 39, pl. 3 Celtis pallida, 95; sinensis, 164 Colorado, A notable species of Gym-Cenangium, 106, 113; furfuraceum, nosporangium from, 208 113, 268 Coltricia cinnamomea, 164 Cephalanthus occidentalis, 236, 255 Comandra umbellata, 232 Cephalosporium, 71 Composition of a desert lichen flora, Cerasus, 266, 267 The. 87 Ceratostoma, 72; biparasiticum, 73; Conferva ferax, 125 chioneum, 73; lagenarium, 74 Coniferous and deciduous trees, Some Cercospora, 23; Davisii, 268 fungi growing both on, 265 Ceriomyces, 5, 140; affinis, 149, 275; Coprinus atramentarius, 39; comatus, albellus. 145; auriflammeus, 38; micaceus, 39 147, 275; auriporus, 147, 275; Coriolellus **Kusanoi**, 165 Betula, 144, 145, 275; bicolor, Coriolopsis badia, 165 152, 158, 275; chromapes, 145, Coriolus abietinus, 165; nigromar-158; communis, 154, 155, 157, ginatus, 165; prolificans, 165; ver-219; conicus, 146, 147; crassus, sicolor, 122, 165 141, 156, 157, 275; cubensis, 156; Cornus, 185; macrophyllas, 166 Curtisii, 150, 275; eximius, 148, Corticium, 268; cinereum, 266; con-275; flaviporus, 147; frustulofluens, 266; evolvens, 266; velusus, 145; fumosipes, 154, 155, tinum, 266 275; griseus, 145; hemichrysus, Corylus, 113, 187, 266; sp., 268 148; inflexus, 150, 275; jujubinus Coryne, 105, 111; sarcoides, 111 procerus, 153; Maxoni, 219; mi-Cotton anthracnose, The perfect stage niato-olivaceus, 152, 275; palof the, 115 lidus, 152, 275; parasiticus, 148; Crataegus, 179, 187, 201, 208, 240, 252; Pringlei, 239, 252, 255, 256; Peckii, 151; piperatus, 150, 157; retipes, 145, 275; Roxanae, 153; punctata, 238, 239, 253, 255; sp., Russellii, 141, 144, 275; scaber, 239, 252, 255, 256 Creonectria, 177, 181, 183, 197; atrofusca, 183, 186; coccinea, 183, 188; Coryli, 183, 186; Cu-curbitula, 184, 189; diploa, 184, 146, 150, 158; scabripes, 153; sordidus, 155, 157; speciosus, 151; subglabripes, 153; subtomentosus, 148, 275; tabacinus, 151; tomentipes, 154; Vander-190; gramnicospora, 184, 192; mammoidea, 183, 188; nipigonbiltianus, 146 Cerrena unicolor, 169 ensis, 184, 189; ochroleuca, 184, Chamaecyparis thyoides, 240, 256 190; pithoides, 183, 187, 207; purpurea, 183, 184, 186; rubi-Charonectria, 20, 21, 45; Pedicularis, 46 carpa, 183, 187, 207; seminicola, Chelone glabra, 229 184, 191, 207; tuberculariformis, Chenopodiaceae, 235 184, 193; **verrucosa,** 183, 185 Chenopodium album, 123, 235, 255; Creonectrieae, 43, 177 hybridum, 235 Cricunopus, 10; luteus, 10, 11 Chilonectria Coryli, 186; crinigera, Cruciferae, 235 206; Cucurbitula, 198; Rosellinii, Cryptomeria, 165, 167; japonica, 165, 201 Chionanthus, 200 Cucurbitaria cinnabarina, 184 Chondrioderma, 55 Cultures of Uredineae in 1908, 225 Ciboria, 105, 111; sulphurella, 111 Cupressus, 57 Cicuta maculata, 237, 255 Cyclomyces fuscus, 169 Circinella umbellata, 218 Cytispora Castanea, 122 Citrus, 178, 191 Cladonia rangiferina, 100 Daedalea Kusanoi, 169; merulioides, Clavaria brachiata, 47; Hypoxylon, 7; quercina, 170; styracina, 170; 273; phalloides, 123

unicolor, 265

Daedaleae, 169	Ficus carica, 116, 117
Dalea laxiflora, 231, 251	Filling tree cavities, 77
Dasyscypha, 105, 110; nivea, 110	Fink, B., The composition of a desert
Dasyscypha, 105, 110, mvca, 110	1:1 floor One The confidence of
Dasystoma flava, 232	lichen flora, 87; The problems of
Deciduous trees, Some fungi growing	North American lichenology, 28
both on coniferous and, 265	Fistulina hepatica, 275; pallida, 275
Decodon verticillatus, 230, 232, 235	Fomes concentricus, 170; fraxineus,
Delphinium tricorne, 231	168; fulvus, 170; Hartwigii, 265;
Dermatea, 106, 113; furfuracea, 267;	igniarius, 170; japonicus, 170; mu-
sp., 113	sashiensis, 168; ramosus, 170;
Dermatocarpon, 94; compactum, 88;	Ribis, 170; robustus, 265; ungula-
miniatum, 88, 94; peltatum, 88; ru-	tus, 168; volvatus, 170
fescens, 88; sp., 88	Fomiteae, 167
Dialonectria, 42, 50, 198; consors, 61;	Formosa, A mushroom cultivated in,
depallens, 58; diminuta, 68; Eu-	E 274
calypti, 58; filicina, 61; fulvida, 70;	Four interesting species of moulds,
gibberelloides, 66; sulphurea, 60;	218
vulpina, 52	Fragaria virginiana, 272
Diatrype, 70	Fraxinus, 123, 188, 200, 204, 206,
Diatrypella, 189	236; americana, 215; lanceolata,
Dictyophora duplicata, 260	236, 255
Dictyopus, 15; felleus, 15	Fungi growing both on coniferous and
Disca palustris, 231	deciduous trees, Some, 265
Discomycetes of North Dakota, 104	Fungi, Illustrations of, I, 1; II, 37;
Discosia on living bull pine seed-	III, 83; IV, 257
lings, A species of, 215	Fusarium, 20, 71, 194; episphea-
Discosia, 215; Pini, 216; strobilina,	ricum, 54; niveum, 72; vasinfec-
215; virginiana, 215	tum, 71
Distichlis spicata, 234, 255	Fusicoccum castaneum, 122
Dothidea Chamaeropsidis, 162	
Dothidiaceous fungi, Sphaerodothis,	Galactinia, 105, 108; succosa, 108
a new species of, 161	Galium, 270; boreale, 270; trifolium,
Dulichium arundinaceum, 230	46
25 direction at an annual and annual and an an annual and an annual and an an annual and an annual and an annual an annual and an annual an annual and an annual an annual and an annual a	Ganoderma amboinense, 168; flabelli-
Faulialla communata 165	
Earliella corrugata, 165	forme, 168
Echinodothis, 178, 202; tuberiformis,	Gelsemium, 188
202, 207	Geoglossum, 48
Edgerton, C. W., The perfect stage of	Geopyxis nebulosa, 105, 111
Edgerton, C. W., The perfect stage of the cotton anthracnose, 115	Geopyxis nebulosa, 105, 111
the cotton anthracnose, 115	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196
the cotton anthracnose, 115 Eleocharis palustris, 233, 255	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini,
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; Geoglossi,	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii,
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; Geoglossi, 47, 48, 75; subulatus, 47, 75	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii,
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; Geoglossi, 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis,	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; Geoglossi, 47, 48, 75; subulatus, 47, 75	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii,
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; Geoglossi, 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis,	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118;
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; Geoglossi, 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodi-	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117,
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; Geoglossi, 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203 Eriocorys, 8; strobilacea, 8, 9	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114 Glonium, 106, 114; lineare, 114; parvulum, 114; stellatum, 114
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; Geoglossi, 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203 Ericcorys, 8; strobilacea, 8, 9 Eucalyptus, 58	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114 Glonium, 106, 114; lineare, 114; parvulum, 114; stellatum, 114 Gossypium barbadense, 72; herba-
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203 Eriocorys, 8; strobilacea, 8, 9 Eucalyptus, 58 Euonymus, 185	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114 Glonium, 106, 114; lineare, 114; parvulum, 114; stellatum, 114 Gossypium barbadense, 72; herbaceum, 72, 119
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203 Eriocorys, 8; strobilacea, 8, 9 Eucalyptus, 58 Euonymus, 185 Eupatorium, 95; perfoliatum, 233, 255	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114 Glonium, 106, 114; lineare, 114; parvulum, 114; stellatum, 114 Gossypium barbadense, 72; herbaceum, 72, 119 Grindelia squarrosa, 231
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203 Ericcorys, 8; strobilacea, 8, 9 Eucalyptus, 58 Euonymus, 185 Eupatorium, 95; perfoliatum, 233, 255 Euryporus, 5; cavipes, 5	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114 Glonium, 106, 114; lineare, 114; parvulum, 114; stellatum, 114 Gossypium barbadense, 72; herbaceum, 72, 119 Grindelia squarrosa, 231 Guignardia Bidwellii, 269
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203 Eriocorys, 8; strobilacea, 8, 9 Eucalyptus, 58 Euonymus, 185 Eupatorium, 95; perfoliatum, 233, 255	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114 Glonium, 106, 114; lineare, 114; parvulum, 114; stellatum, 114 Gossypium barbadense, 72; herbaceum, 72, 119 Grindelia squarrosa, 231 Guignardia Bidwellii, 269 Gyalecta, 31
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; Geoglossi, 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203 Eriocorys, 8; strobilacea, 8, 9 Eucalyptus, 58 Euonymus, 185 Eupatorium, 95; perfoliatum, 233, 255 Euryporus, 5; cavipes, 5 Evernia, 91	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114 Glonium, 106, 114; lineare, 114; parvulum, 114; stellatum, 114 Gossypium barbadense, 72; herbaceum, 72, 119 Grindelia squarrosa, 231 Guignardia Bidwellii, 269 Gyalecta, 31 Gymnosporangium, 208, 209, 225, 226,
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203 Eriocorys, 8; strobilacea, 8, 9 Eucalyptus, 58 Euonymus, 185 Eupatorium, 95; perfoliatum, 233, 255 Euryporus, 5; cavipes, 5 Evernia, 91 Fagus, 188	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114 Glonium, 106, 114; lineare, 114; parvulum, 114; stellatum, 114 Gossypium barbadense, 72; herbaceum, 72, 119 Grindelia squarrosa, 231 Guignardia Bidwellii, 269 Gyalecta, 31 Gymnosporangium, 208, 209, 225, 226, 241, 252, 253; Betheli, 240, 256; bi-
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; Geoglossi, 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203 Eriocorys, 8; strobilacea, 8, 9 Eucalyptus, 58 Euonymus, 185 Eupatorium, 95; perfoliatum, 233, 255 Euryporus, 5; cavipes, 5 Evernia, 91  Fagus, 188 Falcata comosa, 272	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114 Glonium, 106, 114; lineare, 114; parvulum, 114; stellatum, 114 Gossypium barbadense, 72; herbaceum, 72, 119 Grindelia squarrosa, 231 Guignardia Bidwellii, 269 Gyalecta, 31 Gymnosporangium, 208, 209, 225, 226, 241, 252, 253; Betheli, 240, 256; biseptatum, 240; Botryapites, 240,
the cotton anthracnose, 115 Eleocharis palustris, 233, 255 Eleuthromyces, 44, 47; <b>Geoglossi</b> , 47, 48, 75; subulatus, 47, 75 Elfvingia fomentaria, 168; lipsiensis, 168; megaloma, 168; tornata, 168 Elymus, 248; canadensis, 124 Encelia farinosa, 95 Encoelia furfuracea, 268 Endocarpiscum, 93, 95, 97; placodizans, 87 Endocarpon, 94; Schaereri, 88 Epichloe, 203 Eriocorys, 8; strobilacea, 8, 9 Eucalyptus, 58 Euonymus, 185 Eupatorium, 95; perfoliatum, 233, 255 Euryporus, 5; cavipes, 5 Evernia, 91 Fagus, 188	Geopyxis nebulosa, 105, 111 Gibbera pulicaris, 196 Gibberella, 44, 66, 177, 196; ficini, 197; pulicaris, 122, 196; Saubinetii, 197 Gillenia stipulacea, 226, 253, 254 Gleditschia, 206; triacanthos, 204 Glieophyllum trabeum, 169 Gloeosporium, 115 Glomerella, 115, 116, 117, 118; fructigena, 117; Gossypii, 117, 120 Gloniopsis, 106, 114; Gerardiana, 114 Glonium, 106, 114; lineare, 114; parvulum, 114; stellatum, 114 Gossypium barbadense, 72; herbaceum, 72, 119 Grindelia squarrosa, 231 Guignardia Bidwellii, 269 Gyalecta, 31 Gymnosporangium, 208, 209, 225, 226, 241, 252, 253; Betheli, 240, 256; bi-

256; Davisii, 227, 241, 256; exterum, 254, 256; globosum, 239, 256; inconspicuum, 208; juniperinum, 241; Juniperi-Virginianae, 238, 256; Libocedri, Kusanoi, 169 252, 256; multiporum, 210; Nelsoni, 239, 256; sp. nov., 253; speciosum, 210; tremelloides, 241 Gymnosporangium from Colorado, A notable species of, 208 Gyroporus, 4, 14; castaneus, 14, 275; folia, 121 cyanescens, 14, 15; scaber, 146 Hapalopilus gilvus, 166 Heald, F. D., A species of Discosia on living bull pine seedlings, 215 Helminthosporium gramineum, 269 Helotium, 105, 110; citrinum, 110 Helvellineae, 104, 106 Heppia deserticola, 87; virescens, 87 Hibiscus, 178; esculentus, 72; mili-253, 254, 255 taris, 232; Moscheutos, 251; syriacus, 167 Kalmia, 9 Hordeum vulgare, 269 Houstonia caerulea, 237, 238, 255 taveliana, 112 Hydnofomes tsugicola, 170 Hydrophyllum virginicum, 230, 231 Hymenomycetes, 266 Hypholoma perplexum, 1; sublateri-208 tium, 1 Hypocrea, 203; citrina, 269; perpusilla, 50; Richardsoni, 268; tubercu-Kuhnia lariformis, 193; tuberiformis, 202 Hypocreaceae, 43 Hypocreales, 41, 43, 177 Lachnea. Hypocreales, Notes on North American-I, 19; of North America, The —I, 41; II, 177 Lactaria, 122, 218 Hypocrella, 203; tuberiformis, 202 Hypocreopsis tuberculariformis, 193 Hypoderma, 106, 114; aquilina, 122; scirpinum, 114 Hypomyces, 48, 59; Geoglossi, 48; Lactifluorum, 122; polyporinus, 122 Lasmenia, 161 Hyponectria, 19, 20, 44, 45; Buxi, 20; Laurus, 191 Cacti, 21, 44, 45; dakotensis, 20, 22, 44, 45, 75; Gossypii, 19 Hypoxylon phoeniceum, 63 ralis, 88, 91, 92 Hysteriineae, 104, 113 Hysterium, 113; fagineum, 124; Fraxini, 123 Hysterographium, 106, 114; Fraxini, 114, 123; kansense, 269; Mori, 114 Hysteropatella, 106, 113; Prostii, 113 variegata, 170 Icmadophila, 31; (Baeomyces) aeruginosa, 31 Ilex, 188 Lespedeza, 62 Illustrations of fungi, I, 1; II, 37; III, 83; IV, 257 Inocybe infida, 211, 213 luteola, 74 Ionotus dryophilus, 84

Ipomoea, 63; pandurata, 231 Iris, 230; versicolor, 230 Irpex consors, 166; decurrens, 169; Irpiciporus consors, 166; japonicus, 166; Noharae, 166; Tanakae, 167 Isaria brachiata, 47; farinosa, 74 Ischnoderma fuliginosum, 86 Isopyrum biternatum, 231 Iva frutescens, 231, 235, 243; xanthii-Ixocomus, 140; badius, 140; granulatus, 13; luteus, 11; piperatus, 150 Japan, Polyporaceae from, 164 Juniperus, 253; californica utahensis, 210; communis, 242; occidentalis monosperma, 210; scopulorum, 239, 240, 255, 256; sibirica, 239, 240, 241, 255, 256; virginiana, 215, 238, 239, Karschia, 106, 112; lignyota, 112; Kentucky, Boletaceae from, 275 Kern, F. D., A notable species of Gymnosporangium from Colorado, Koeleria, 246; cristata, 246, 248, 256 Krombholzia, 140; scabra, 146 eupatorioides, 233, Hitchcockii, 233, 254 104, 107; hemispherica, 107; scutellata, 107; setosa, 107 Lacinaria punctata, 229; spicata, 230 Laetiporus speciosus, 167 Larix, 190, 242; laricina, 242, 256 Larrea tridentata, 95 Lasiobolus, 105, 109; equinus, 109 Lasionectria poliosa, 57

Lecanora, 31, 94; atra, 31; calearea contorta, 88, 92; cinera, 92; mu-Leccinum, 4, 140; aurantiacum, 146; constrictum, 14; edule, 149; lactifluum, 13; piperatum, 150; scabrum, 146; subtomentosum, 153 Lenzites alutacea, 170; betulina, 169; japonica, 170; saepiaria, 170, 267; Leptogium arizonicum, 87 Leptolegnia, 262; caudata, 262 Leptolegnia from North Carolina, 262 Letendraea, 44, 74; eurotioides, 74; Levison, J. J., Filling tree cavities, 77

Libocedrus, 252; decurrens, 252, 256
Lichen ericetorum, 31
Lichen flora, The composition of a
desert, 87
Lichenology, The problems of North
American, 28
Ligustrum vulgare, 236
Liquidambar, 200
Lonicera, 187
Lupinus, 58
Lycoperdon cyathiforme, 257; gemmatum, 259; Wrightii, 260
Lycopsis, 237; arvensis, 237, 255
Lycopus americanus, 234, 255; communis, 234, 255
Lysimachia quadrifolia, 230

Lycopus americanus, 234, 255; com-Lysimachia quadrifolia, 230 Macbridella, 177, 195; chaetostroma, 195; striispora, 195, 196 Macrocalyx Nyctelea, 230 Magnolia, 61, 188, 191 Mahonia, 232, 246, 247; Aquifolium, 232, 247, 256 Malaceae, 253 Malus, 238; coronaria, 238, 255; Malus, 238, 239, 240, 255 Massaria, 68; inquinans, 123 Mattirolia chrysogramma, 206 Medicago, 270 Megalonectria, 177, 180; caespitosa, 181; pseudotrichia, 180, 207 Melanospora, 44, 72, 161; albertensis, 242; chionea, 73, 75; (?) Helleri, 182; lagenaria, 74; Medusae, 242, 256; parasitica, 73; Zamiae, 72 Melia, 185, 186, 188 Melilotus alba, 268 Meliola, 60 Menispermum canadensis, 125 Microcera coccophila, 180 Microsphaera Alni, 269 Mitrulla phalloides, 123 Mollisia, 106, 112; cinerea, 112, 123; Dehnii, 112 Monolepis Nuttalliana, 235 Morchella, 104, 106; esculenta, 106 Morus, 185, 186 Moulds, Four interesting species of, 218 Mucor circinelloides, 219; rufescens, 218 Muhlenbergia, 251, 252; glomerata, 251, 256; mexicana, 251 Murrill, W. A., A mushroom cultivated in Formosa, 274; A new boletus from tropical America, 218; A new poisonous mushroom, 211; Boletaceae from Kentucky, 275; Illustrations of fungi, I, 1; II, 37; III, 83; IV, 257; Polyporaceae from Japan, 164; The Boletaceae of

North America, I, 4; II, 140

Musa, 66, 67, 191
Mushroom, A new poisonous, 211;
cultivated in Formosa, A, 274
Mycological herbarium, Noteworthy
additions to, 218, 274
Myrica cerifera, 243

Napaea dioica, 230, 231, 232 Nectria, 20, 42, 44, 48, 49, 50, 63, 66, 67, 71, 183; aglaeothele, 180; Apocyni, 51, 59, 76; athroa, 64, 65; atrofusca, 186; aurantiicola, 180; aureofulva, 190, 191; auriger, 200; Bainii, 194; balsamea, 200; betulina, 52; bicolor, 54, 76; Brassicae, 51, 62, 63, 76; canadensis, 199; chaetostroma, 195; cinnabarina, 184; citisporina, 194; coccicola, 198; coccinea, 188, 194; conigena, 51, 61, 75, 76; consors, 51, 61; Coryli, 186, 201; cylindrospora, 198: depallens, 58, 76; depauperata, 190, 191; diploa, 190; diploa diminuta, 68; diplocarpa, 50, 53, 76; dispersa, 51, 57; ditissima, 189, 194; episphaeria, 51, 62, 64, 75, 76, 190, 270; erubescens, 62; Eucalypti, 51, 58, 76; filicina, 61, 76; flavociliata, 50, 54, 76; (Calonectria) fulvida, 70; gibberelloides, 66; gramnicospora, 192; infusaria, 194; Ipomoeae, 194; lactea, 51, 54, 76; lasioderma, 52; mammoidea, 188; Meliae, 184, 185; microspora, 194; missouriensis, 205; muscivora, 193; mycetophila, 48; nigrescens, 184, 185; nipigonensis, 189; ochroleuca, 190; offuscata, 184, 185; pallida, 190, 191; Papilionacearum, 51, 62, 63, 75, 76; peponum, 46; perpusilla, 46, 50; Peziza, 50, 52, 54, 55, 57, 62, 67, 75, 76; pithoides, 187; poliosa, 57; polythalama, 200; pseudotrichia, 180; purpurea, 184; pyrrhochlora, 203; Rexiana, 51, 55, 76; rhizogena, 190; Ribis, 205, 271; riminicola, 52; Rousseliana, 48; rubefaciens, 51, 56, 76; rubicarpa, 187; Russellii, 184, 185; Sambuci, 184, 185; sanguinea, 46, 51, 63, 65, 75, 76; seminicola, 21, 22, 191, 270; (Lasionectria) setosa, 66; sphaerospora, 206; squamulosa, 51, 55, 76; striispora, 196; subcoccinea, 180; sulphurata, 48; sulphurea, 49, 51, 54, 60, 76; thujana, 51, 56, 76; tremelloides, 50, 53, 76; trichospora, 69; truncata, 60, 76; tuberculariformis, 193; Umbellulariae, 52; verrucosa, 185; viticola, 64; vulgaris, 190, 191; vulpina, 52 Nectriaceae, 43

Nectrieae, 42, 43, 44, 177	270; pygmaea, 271; trifolium, 270;
Nectriella, 19, 44, 45, 47, 48, 49, 181;	viticola, 271
Cacti, 19, 45; Fuckelii, 45; miltina,	Peziza, 105, 108; badia, 108; cinerea,
182; mycetophila, 49; <b>Pedicularis,</b>	123; craterium, 273; furfuracea,
45, 46; <b>peponum,</b> 45, 46; tra-	268; hydrophora, 52; repanda, 108;
cheiphila, 72	Tiliae, 108; vesiculosa, 108; vul-
Neocosmospora, 44, 71; vasinfecta, 71;	pina, 52
vasinfecta nivea, 72; vasinfecta tra-	Pezizineae, 104, 107
cheiphila, 72	Phacelia bipinnatifida, 231
Neowashingtonia filamentosa, 162	Phacidiineae, 104, 113
New boletus from tropical America,	Phaeonectria, 74, 195
A, 218	Phaeopezia, 106, 111; fuscocarpa,
New genus of dothideaceous fungi, Sphaerodothis, a, 161	Phinles for the Urtisse for
New poisonous mushroom, A, 211	Phialea, 105, 111; Urticae, 111 Phleum pratense, 231
North America, The Boletaceae of, I,	Pholiota adiposa, 83; lutea, 84; spec-
4; II, 140; The Hypocreales of, I,	tabilis, 85; squarrosa, 266
41; II, 177	Phoma uvicula, 269
North American Hypocreales, Notes	Phragmidium, 209, 253
on, I, 19; Lichenology, The prob-	Phylitaena arcuata, 124
lems of, 28	Phyllachora graminis, 124
North Carolina, Leptolegnia from, 262	Phyllosticta Labruscae, 269; Smilacis,
North Dakota, Discomycetes of, 104	124; viticola, 269
Notes on North American Hypo-	Physalospora, 118; aurantia, 271
creales—I, 19	Physcia, 98; fastigiata, 31; sp., 88
Noteworthy additions to the myco-	Picea excelsa, 265
logical herbarium, 218, 274	Pilobolus longipes, 218
	Pine seedlings, A species of Discosia
Ochroporus fulvus, 265	on living, 215
Oidium, 71	Pinus, 190, 198, 266; abies, 265, 266;
Onagra biennis, 233, 254	palustris, 148; ponderosa, 215, 216,
Onoclea sensibilis, 122	217; silvestris, 265
Ophionectria, 42, 44, 69, 197; cerea,	Pinuzza, 4, 10
69, 71; coccicola, 198; cylindro-	Piptoporus suberosus, 167
thecia, 69, 70, 75; Everhartii, 70;	Placodium, 94, 98; amabile, 88; brachylobum, 88; cinnabarinum,
scolecospora, 197, 198 Opuntia, 20, 45	brachylobum, 88; cinnabarinum, 88; elegans, 30, 88, 91, 93; lobula-
Oxygraphis, 246; Cymbalaria, 246,	tum, 88; murorum, 88, 91
256	Plasmopora, 271; Kellermanii, 121;
Panaeolus papilionaceus, 211, 212	viticola, 271
Pandanus, 167	Platanus, 178, 191
Panicum capillare, 230; virgatum,	Pleonectria, 203; berolinensis, 205,
232	271; denigrata, 204; missouriensis,
Parkinsonia microphylla, 98	205; pyrrhochlora, 204; Ribis, 205,
Parmelia, 31, 53, 94; acetabulum,	271
100; caperata, 94; conspersa, 88,	Pleurotus sapidus, 257
91, 92, 93; tiliacea, 56	Pluteus cervinus, 38
Parodiella, 62, 63	Poa, 248
Paronectria missouriensis, 205	Poisonous mushroom, A new, 211
Pasama cuspidata, 169	Polemonium reptans, 231
Patellaria, 106, 112, 113; atrata, 112;	Polygonum, 248
clavispora, 113; fenestrata, 121	Polyporaceae, 4, 169, 265
Paxillus porosus, 7	Polyporaceae from Japan, 164
Peach, A bacterial disease of the, 23	Polyporeae, 164
Peckiella Geoglossi, 48 Pedicularis crenata, 46	Polyporus, 55, 74; adustus, 265; arcu-
Pentstemon hirsutus, 231, 232	larius, 167; benzoinus, 266; cele- bicus, 167; cinnabarinus, 170; Dick-
Perfect stage of the cotton anthrac-	insii, 167, 170; fumosus, 265; gi-
nose, The, 115	ganteus, 265; glaucotus, 170; hel-
Peronospora calotheca, 270; Den-	veolus, 266; illicicola, 166, 170;
tariae, 270; effusa, 123; Halstedii,	marginatus, 266; membranaceus,
124; Kellermanii, 121; parasitica,	170; ochrotinetus, 170; officinalis,

170; pellucidus, 170; Perula, 167; fungi, I, The occurrence and culpinicola, 266; Pocas, 170; Pocula, 170; resinosus, 266; rotundatus, 266; salignus, 265; scanicus, 265; Schweinitzii, 170; Shenoi, 170; Shiraianus, 170; vernicipes, 170; versicolor, 122; zonatus, 265 Polystictus Cryptomeriae, 170; Ikenoi, 170; pellucidus, 165 Populus, 185, 187; nigra pyramidalis, 164; tremuloides, 49, 113, 122, 242, 256, 268, 272 Porteranthus, 226, 253; stipulatus, 226, 229, 253, 254, 256 Portulaca oleracea, 121 Problems of North American lichenology, The, 28 Propolis, 106, 113; faginea, 113, 124 Prunus, 166, 167, 168, 185; sp., 165 Pseudonectria, 44, 47, 48; sulphurata, 48 Pseudopeziza, 106, 112; Medicaginis, Pseudovalia Xanthoxyli, 204 Psoralea Onobrychis, 231 Puccinellia airoides, 246, 256 Puccinia, 209, 229, 230; Absinthii, 243, 256; Agrostidis, 250; alternans, 248, 256; angustata, 234, 255; asperifolia, 236, 255; Asteris, 232; Caricis-Asteris, 230; Caricis-Solidaginis, 233, 255; cinerea, 246, 256; dochmia, 252; Dolichii, 230; Eleocharidis, 233, 255; Ellisiana, 231; emaculata, 230; fraxinata, 236, 255; Koeleriae, 247, 256; Kuhniae, 233, 254; macrospora, 244, 256; Muhlenbergiae, 251, 252, 256; obliterata, 250, 256; on Agropyron, 249; on Bromus, 248; on Carex comosa, 243; on Carex gravida, 230; on Carex pennsylvanica, 229; on Carex pratensis, 245; on Carex sp., 246; on Koleria cristata, 246; patruelis, 245, 256; Peckii, 233, 254; poculiformis, 231, 246; Pruni-spinosae, 248; 232, quadriporula, 230; rubigo-vera, 225, 237; Sambuci, 233, 255; Schedon-nardi, 231; Seymouriana, 236, 255; subnitens, 228, 234, 255; tomipara, 236, 248, 255; Troximontis, 245; vexans, 231; vulpinoidis, 229 Pulveroboletus, 4, 9; Ravenelii, 9 Pycnoporellus fibrillosus, 170 Pycnoporus sanguineus, 167 Pyrenopsis, 94; Schaereri, 87 Pyrenula, 30; verrucosa, 30 Pyronema, 104, 107, 131, 135, 136, 200; scolecospora, 197, 198, 201 137; confluens, 132, 136; ompha-Scrophularia marylandica, 272 lodes, 107, 132, 133, 135, 138, 139 Seaver, F. J., Discomycetes of North Pyronema, Studies in pyrophilous

tivation of, 131 Pyropolyporus fastuosus, 169 Pyrus, 185; communis, 240 Quercus, 185; aliena, 167; cuspidata, 274; sp., 166, 269 Radulum orbiculare, 266 Ramalina calicaris, 31 Ramularia Fragariae, 272; Tuslasnei, 272 Ranunculus Cymbalaria, 246 Rhododendron, 9 Rhodoporus, 15; felleus, 15 Rhus, 185, 187 Rhynchosia, 62 Rhysotheca Halstedii, 124; viticola, 27 I Rhytisma salicinum, 272 Ribes, 185, 205; Cynosbati, 242; rubrum, 242 Rinodina, 31; atra, 31 Robinia, 185 Roestelia, 226, 252, 253; cornuta, 227; lacerata, 226; penicillata, 227, 241 Romell, L., Some fungi growing both on coniferous and deciduous trees. 265 Rorer, J. B., A bacterial disease of the peach, 23 Rostkovites, 4, 12; americanus, 12; granulatus, 11, 12, 13, 219, 275; hirtellus, 12, 14; subaureus, 13, 14; subtomentosus, 154 Rubus, 185 Rudbeckia laciniata, 229, 230, 251 Russula, 218 Sabina monosperma, 208, 210; utahensis, 208, 210 Saccobolus, 105, 110; Kerverni, 110; violascens, 110 Salix, 179, 187, 191, 266; sp., 272 Sambucus, 185; canadensis, 233, 255 Saprolegnia, 262; ferax, 125 Sarcobatus, 235, 236; vermiculatus, 235, 255 Sarcoscypha, 104, 107; coccinea, 107; occidentalis, 108 Sassafras, 186 Schedonnardus paniculatus, 231 Scirpus, 114; atrovirens, 234; cyperinus, 234, 255; fluviatilis, 237, 255; Scleroderma, 148 Scoleconectria, 177, 197; Atkinsonii, 201; balsamea, 198, 200; canadensis, 197, 199, 207; coccicola, 197, 198; polythalama, 197,

Dakota, 104; Notes on North Sphaerostilbe, 177, 178, 180; cinna-American Hypocreales, I, 19; Studbarina, 179; coccophila, 180, 194; flammea, 178, 179; gracilipes, 178; ies in pyrophilous fungi, I, The occurrence and cultivation of Pypseudotrichia, 181 ronema, 131; The Hypocreales of Spiraea stipulata, 254 North America, I, 41; II, 177; Wilson, G. W., &, Ascomycetes and lower fungi, Fascicle II, 121; III, Staphylea trifolia, 186 Stereum, 55, 60; ferrugineum, 266; rubiginosum, 266; tabacinum, 266 268 Stigmatea Fragariae, 272 Secale cereale, 236, 255 Stilbum aurantiacum, 178; (Atrac-Senecio obovatus, 229, 230 tium) cinnabarinum, 179; cory-Septoria Scrophulariae, 272 noides, 178; flammeum, 179; gra-Shear, C. L., Sphaerodothis, a new cilipes, 178 genus of dothidiaceous fungi, 161 St[r]ilbum gracilipes, 178, 179 Sisyrinchium, 237, 238; gramineum, Strobilomyces, 4, 8, 9; strobilaceus, 8, 237, 238, 255; graminoides, 237 Smilax, 228, 243, 244; hispida, 230, Studies in pyrophilous fungi, I, The 231, 236, 243, 244, 256; rotundioccurrence and cultivation of Pyfolia, 124, 125, 243, 244 ronema, 131 Solanum, 63 Styrax Obassia, 169 Solidago canadensis, 233, 255 Suillellus, 5, 16; Frostii, 17, 275; Some fungi growing both on conluridus, 16, 17, 275 iferous and deciduous trees, 265 Suillus, 4, 10, 14; annulatus, 10; bul-Sorbus, 241, 242, 266; americana, 239, bosus, 149; castaneus, 14; cyanes-240, 241, 255, 256; Aria, 242; Aucens, 14 cuparia, 242; hybrida, 242; termi-Sumstine, D. R., Four interesting nalis, 242 species of moulds, 218 Spartina cynosuroides, 236, Symphoricarpus occidentalis, 255; 112: polystachya, 236, 255; stricta, 236, racemosa, 231 Symphoricarpus, 187 Spathyema foetida, 20, 22, 192, 270 Synchitrium aecidioides, 272; deci-Species of Discosia on living bull pine piens, 272; fulgens decipiens, 272 seedlings, A, 215 Synechoblastus coccophorus, 81 Sphaerella Fragariae, 272 Syringa vulgaris, 269 Sphaeria, 40, 64; aquilina, 122; atrofusca, 186; Buxi, 44; Celastri, 184, Taphrina Johansonii, 272 185; cerea, 69; chionea, 73; cinna-Teloschistes modestus, 88; parietinus, barina, 184; coccinea, 188; decidua, 188; dematiosa, 184, 185; epi-Thalictrum, 248, 249; dioicum, 231, sphaeria, 65, 270; erubescens, 67; 236, 248, 249, 256; occidentale, 249; graminis, 124; Hypoxylon, 273; inpolygamum, 231; sparsiflorum, 248, quinans, 123; Lactifluorum, 122; 249; venulosum, 249 lagenaria, 74, 161; muscivora, 193; Thamnidium elegans, 218 ochroleuca, 190, 191; Peziza, 50, Thecotheus, 105, 109; Pelletieri, 109 52; pseudotrichia, 180; pulicaris, Thelephoreae, 266 122, 196; Quercuum, 268; san-Thyronectria, 178, 203, 206; beroguinea, 63; Saubinetii, 197; subulinensis, 203, 205; chrysogramma, lata, 47; tremelloides, 184; verru-206; denigrata, 203, 204; miscosa, 185 souriensis, 203, 205; Patavina, Sphaeroderma, 182; Helleri, 182 203; pyrrhochlora, 203; sphaero-Sphaerodermatella, 182; Helleri, spora, 203, 206; virens, 204; Xanthoxyli, 204 Sphaerodothis, 161, 162; Chamae-Thyronectroidea, 178, 206; chryropsis, 162; densa, 163; Guisogramma, 206 lielmae, 163; Neowashing-Tilia, 185, 201; americana, 110, 125, toniae, 162; palmicola, rimosa, 162 269 Tiliae, 110, 125 Sphaerodothis, a new genus of dothi-Trametes Dickinsii, 167; Mülleri, diaceous Fungi, 161 168; nitida, 167; styracicola, 170 Sphaeronema parasitica, 73; subula-Tranzschelia punctata, 248 Tremella juniperina, 241; purpurea, tum, 47 Sphaeropsis Linderae, 125; Meni-

183, 184

Tricholoma equestre, 2

spermi, 125; Smilacis, 125

Trichopeziza, 105, 110; sulphurea, 110
Trifolium, 270
Triticum, 248
Tropical America, A new boletus from, 218
Troximon glaucum, 245
Tsuga, 167
Tubercularia, 183; vulgaris, 184
Tubiporus, 10, 140; annulatus, 10, 11; edulis, 140
Tylopilus, 5, 15; alboater, 15, 16; felleus, 15, 16, 157, 275; gracilis, 15, 16; indecisus, 15, 275

Ulmus, 185, 188, 199; americana, 207 Uredineae, 225 Uredineae in 1908, Culture of, 225 Uredo aecidioides, 272; bliti, 121; Peckii, 272; Portulacae, 121 Urnula, 104, 108; craterium, 108, 273 Uromyces, 209; Andropogonis, 232; graminicola, 232; houstoniatus, 237, 255; Murrillii, 237; Scirpi, 237, 255 Urtica gracilis, 243; sp., 193

Valsa Xanthoxyli, 203 Verbena urticifolia, 231 Vernonia arkansana, 230 Verrucaria, 30, 31, 94; fuscella, 88; nigrescens, 88 Versipellis, 140; chrysenteron, 155; parasitica, 148; subtomentosus, 154; variegata, 140
Verticillium, 183; tubercularioide, 190, 191
Viburnum dentatum, 123
Vigna sinensis, 72
Viola, 232; cucullata, 229, 232
Viscipellis, 10; granulata, 13; luteus, 11; piperata, 150; sphaerocephala, 10
Vitis vulpina, 269, 271

Whitfordia musashiensis, 168 Wilson, G. W., & Seaver, F. J., Ascomycetes and lower fungi—Fascicle II, 121; III, 268

Xanthoxylum, 114, 204; americanum, 251 Xerocomus, 140; chrysenteron, 155; impolitus, 140; parasiticus, 148; subtomentosus, 154 Xylaria Hypoxylon, 273 Xyloma salicinum, 272

Yucca, 182, 191

Zea Mays, 66, 70, 122